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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
114429-007

In Re Application Of: Les Bogdanowicz

MAR 28 2005

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/808,915	March 24, 2004	Unknown	24573	1614	8057

Title: **DEVICE AND METHODOLOGY FOR OCULAR STIMULATION**

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Commissioner for Patents
P.O. Box 1450
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37 CFR 1.97(b)

- The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

- The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

the statement specified in 37 CFR 1.97(e);

OR

the fee set forth in 37 CFR 1.17(p).

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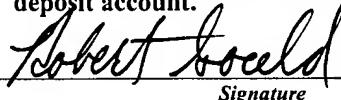
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 Robert M. Gould, Ph.D.
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Dated: March 24, 2005

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Les Bogdanowicz
Appl. No.: 10/808,915
Conf. No.: 8057
Filed: March 24, 2004
Title: DEVICE AND METHODOLOGY FOR OCULAR STIMULATION
Art Unit: 1614
Examiner: Unknown
Docket No.: 0114429-007

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 37 C.F.R. 1.97, and 37 C.F.R. 1.98, Applicants request that a citation and examination of the references cited below, and on the attached PTO-1449 form, be made during the course of examination of the above-identified application for United States patent. Pursuant to the Official Gazette Notice dated August 5, 2003, copies of the cited U.S. patents and patent applications are not included as this application was filed after June 30, 2003. However, copies of all other cited references are included with this form.

U.S. PATENT DOCUMENTS

<u>Document No.</u>	<u>Date</u>	<u>Inventor</u>
2,760,483	August 28, 1956	Tassicker, G.E.
4,272,910	June 16, 1981	Danz
5,016,633	May 21, 1991	Chow
5,024,223	June 18, 1991	Chow
5,522,864	June 4, 1996	Wallace et al.
5,556,423	September 17, 1996	Chow et al.
5,868,728	February 9, 1999	Giungo et al.
5,895,415	April 20, 1999	Chow et al.
5,935,156	August 10, 1999	Chandler et al.
6,035,236	March 7, 2000	Jarding et al.

6,230,057 B1	May 8, 2001	Chow et al.
6,331,523 B1	December 18, 2001	Kljaev et al.
6,804,560 B2	October 12, 2004	Nisch et al.
6,847,847 B2	January 25, 2005	Nisch , et al.
2002/0055724 A1	May 9, 2002	Hughes
2003/0080314 A1	May 1, 2003	Nisch, Wilfried ; et al.
2003/0153067 A1	August 14, 2003	Stett, Alfred ; et al.

FOREIGN PATENT DOCUMENTS

<u>Document No.</u>	<u>Date</u>	<u>Country</u>
EP 0 940 118 A3	March 4, 1999	European

OTHER DOCUMENTS

Armington, John C., Effects of Stimulus Location and Pattern Upon the Visually Evoked Cortical Potential and the Electroretinogram, Intern. J. Neuroscience, 1981, Vol. 14, pp. 169-178.

Baylor, et al., Electrical Responses of Single Cones in the Retina of the Turtle, J. Physiol. (1970), 207, pp. 77-92.

Baylor, et al., Transmission from Photoreceptors to Ganglion Cells in Turtle Retina, J. Physiol. (1977), 271, pp. 391-424.

Belgium et al., Synaptic Transfer of Rod Signals to Horizontal and Bipolar Cells in the Retina of the Toad (*Bufo Marinus*), Journal of Physiology (1988), 396, pp. 225-245.

Bloomfields, et al., Roles of Aspartate and Glutamate in Synaptic Transmission in Rabbit Retina, The American Physiological Society, 1985.

Bortoff et al., An Electrical Model of the Vertebrate Photoreceptor Cell, Vision Res. Vol. 7, pp. 253-263, Pergamon Press 1967.

Bortoff et al., Simultaneous Recording of Photoreceptor Potentials and the PIII Component of the ERG¹, Vision Res., Vol. 5, pp. 527-533. Pergamon Press 1965.

Carpenter, H.S., Electrical Stimulation of the Human Eye in Different Adaptational States, J. Physiol. (1972), 221, pp. 137-148.

Charles, Steve, Electrical Signals of the Retinal Microcircuitry, Reprinted from Records re: Physiology of the Human Eye and Visual System. Hagerstown, Harper and Row, 1979.

- Copenhagen, et al., Kinetics of Synaptic Transmission from Photoreceptors to Horizontal and Bipolar Cells in Turtle Retina, *Vision Res.* 23, 363-369 1983.
- Dawson et al., The electrical stimulation of the retina by indwelling electrodes, *Invest. Ophthalmol. Visual Sci.*, March 1977.
- Dowling et al., Visual Adaptation in the Retina of the Skate, *The Journal of General Physiology*, Vol. 56, 1970.
- Eagle, et al., Retinal Pigment Epithelial Abnormalities in Fundus Flavimaculatus, *Ophthalmology*, December 1980, Vol. 87, No. 12.
- Erickson, et al., Retinal Detachment in the Cat: The Outer Nuclear and Outer Plexiform Layers, *Investigative Ophthalmology & Visual Science*, July 1983.
- Fenwick et al., Changes in the Pattern Reversal Visual Evoked Potential as a Function of Inspired Nitrous Oxide Concentration, Elsevier Scientific Publishers of Ireland, Ltd., August 24, 1983, pp. 178-183.
- Gernandt et al., Single Fibre Analysis of Inhibition and the Polarity of the Retinal Elements, The Nobel Institute for Neurophysiology, Karolinska Institute, Stockholm, Sweden, April 23, 1947, pp. 295-301.
- Green et al., Retinal Mechanisms of Visual Adaptation in the Skate, *The Journal of General Physiology*, Vol., 65, 1975, pp. 483-502.
- Humayun, Mark S., Intraocular Retinal Prosthesis, *Tr. Am. Ophth. Soc.*, Vol. 99, 2001, pp. 271-300.
- Kaneko, Akimichi, Physiological and Morphological Identification of Horizontal, Bipolar and Amacrine Cells in Goldfish Retina, *J. Physiol.* (1970), 207, pp. 623-633.
- Kaneko et al., Recording Site of the Single Cone Response Determined by an Electrode Marking Technique¹, *Vision Res.*, Vol. 7, pp. 847-851. Pergamon Press 1967.
- Kolb, Helga, The Architecture of Functional Neural Circuits in the Vertebrate Retina, *Investigative Ophthalmology & Visual Science*, April 1994, Vol. 35, No. 5, pp. 2385-2404.
- Massey et al., The Effects of 2-Amino-4-Phosphonobutyric Acid (APB) on the ERG and Ganglion Cell Discharge of Rabbit Retina, *Vision Res.* Vol. 23, No. 12, pp. 1607-1613, 1983.
- Neher, et al., Single-channel currents recorded from membrane of denervated frog muscle fibres, *Nature*, Vol. 260, April 29, 1976, pp. 799-802.
- Normann et al., A neural interface for a cortical vision prosthesis, *Vision Research*, 39, (1999), pp. 2577-2587.
- Peyman et al., Subretinal Semiconductor Microphotodiode Array, *Experimental Science, Ophthalmic Surgery and Lasers*, March 1998, Vol. 29, No. 3, pp. 234-241.

Rauschecker et al., Sending Sound to the Brain, Science, Vol. 295, February 8, 2002, pp. 1025-1029.

Rovamo, et al., An Estimation and Application of the Human Cortical Magnification Factor, Exp. Brain Res. 37, 495-510 (1979).

Schwab, Martin E., Repairing the Injured Spinal Cord, Science, Vol. 295, February 8, 2002, pp. 1029-1031.

Scribner et al., Intraocular Retinal Prosthesis Test Device, 23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Istanbul, Turkey, Oct. 2001.

Shannon, Robert V., A Model of Safe Levels for Electrical Stimulation, IEEE Transactions on Biomedical Engineering, Vol. 39, No. 4, April 1992, pp. 424-426.

Terr, et al., Histopathologic Study of the Cochlear Nuclei after 10 Years of Electrical Stimulation of the Humal Cochlea, The American Journal of Otology, Vol. 9, No. 1, January 1988, pp. 1-6.

Werblin, Frank, Synaptic Connections, Receptive Fields, and Patterns of Activity in the Tiger Salamander Retina, Investigative Ophthalmology & Visual Sicence, Vol. 32, No. 3, March 1991, pp. 459-482.

Werblin et al., Organization of the Retina of the Mudpupy, *Necturus maculosus*. II. Intracellular Recording, The Wilmer Institute, The Johns Hopkins University School of Medicine, October 15, 1968, pp. 339-355.

New technique induces growth across spinal cord injury abstract, printed from http://www.mgh.harvard.edu/depts/pubaffairs/Releases/May99_spinal_cord.htm, printed on July 6, 2001.

An Overview of Spinal Cord Research abstract, printed from <http://www.spinal-research.org/res.htm>, printed on July 6, 2001.

An electrophysiological investigation of the functional regeneration promoted by grafts of olfactory bulb ensheathing cells in the adult mammalian spinal cord abstract, printed from <http://www.spinal-research.org/riddell-barnett.html>, printed on July 6, 2001.

Microstimulation of the Lumbosacral Spinal Cord abstract, printed from <http://feswww.fes.cwru.edu/projects/wmgnih1.htm>, printed on July 6, 2001.

Medicare's Coverage Policies on Electrical Stimulation for Fracture Healing abstract, printed from <http://www.hcfa.gov/coverage/8b3-j2.htm>, printed on July 6, 2001.

Applied Electric Fields in the Treatment of Bone Fractures abstract, printed from <http://www.wpi.edu/~grovers/PH3301/emtherapy/SallyHouse/SallyHouse.html>, printed on July 6, 2001.

Electrical stimulation of hard and soft tissues in animal models abstract, printed from
<http://gateway.nlm.nih.gov/gw/Cmd?GMResults>, printed on August 20, 2001.

A constant cathodic potential device for faradic stimulation of osteogenesis abstract, printed from
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=7670693&dopt=Abstract, printed on August 27, 2001.

Medullary osteogenesis with platinum cathodes abstract, printed from
<http://gateway.nlm.nih.gov/gw/Cmd?GMResults>, printed on August 20, 2001.

Electrical stimulation with bone and wound healing abstract, printed from
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=11344981&dopt=Abstract, printed on August 27, 2001.

Continuously infused calcium hydroxide: its influence on hard tissue repair abstract, printed from <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Direct current electrical bone growth stimulation for spinal fusion abstract, printed from
<http://gateway.nlm.nih.gov/gw/Cmd?GMResults>, printed on August 20, 2001.

Electrical stimulation of bone growth with direct current abstract, printed from
<http://gateway.nlm.nih.gov/gw/Cmd?GMResults>, printed on August 20, 2001.

Electrical stimulation induces the level of TGF-Beta1 mRNA in osteoblastic cells by a mechanism involving calcium/calmodulin pathway abstract, printed from
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=9268690&dopt=Abstract, printed on August 27, 2001.

Electrode-oxygen consumption and its effects on tissue-oxygen tension. A study of mass spectrometry abstract, printed from
<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Cathodic oxygen consumption and electrically induced osteogenesis abstract, printed from <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Does Electrical stimulation of deaf cochleae prevent spiral ganglion degeneration?
Abstract, printed from
<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Osteogenesis of electrically stimulated bone cells mediated in part by calcium ions abstract, printed from
<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Chronic intracochlear electrical stimulation induces selective survival of spiral ganglion neurons in neonatally deafened cats abstract, printed from
<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Chronic electrical stimulation by a cochlear implant promotes survival of spiral ganglion neurons after neonatal deafness abstract, printed from
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10464355&dopt=Abstract, printed on August 27, 2001.

Cochlear pathology following chronic electrical stimulation using non charge balanced stimuli abstract, printed from
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10464355&dopt=Abstract, printed on August 27, 2001.

Cochlear implant effects on the spiral ganglion abstract, printed from
<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed>, printed on August 20, 2001.

Applicants look forward to early and favorable consideration of this matter.

Respectfully submitted,

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Dated: March 24, 2005



INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) PTO Form 1449		Atty Docket No. 114429-007	Application No. 10/808,915
		Applicant Les Bogdanowicz	
		Filing Date March 24, 2004	Group 1614

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	2,760,483	August 28, 1956	Tassicker, G.E.			
	4,272,910	June 16, 1981	Danz			
	5,016,633	May 21, 1991	Chow			
	5,024,223	June 18, 1991	Chow			
	5,522,864	June 4, 1996	Wallace et al.			
	5,556,423	September 17, 1996	Chow et al.			
	5,868,728	February 9, 1999	Giungo et al.			
	5,895,415	April 20, 1999	Chow et al.			
	5,935,156	August 10, 1999	Chandler et al.			
	6,035,236	March 7, 2000	Jarding et al.			
	6,230,057 B1	May 8, 2001	Chow et al.			
	6,331,523 B1	December 18, 2001	Klavin et al.			
	6,804,560 B2	October 12, 2004	Nisch et al.			
	6,847,847 B2	January 25, 2005	Nisch , et al.			
	2002/0055724 A1	May 9, 2002	Hughes			
	2003/0080314 A1	May 1, 2003	Nisch, Wilfried ; et al.			
	2003/0153067 A1	August 14, 2003	Stett, Alfred ; et al.			

FOREIGN PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Country	Class	Subclass	Translation Yes No
	EP 0 940 118 A3	March 4, 1999	European			

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	Armington, John C., Effects of Stimulus Location and Pattern Upon the Visually Evoked Cortical Potential and the Electroretinogram, Intern. J. Neuroscience, 1981, Vol. 14, pp. 169-178.
	Baylor, et al., Electrical Responses of Single Cones in the Retina of the Turtle, J. Physiol. (1970), 207, pp. 77-92.
	Baylor, et al., Transmission from Photoreceptors to Ganglion Cells in Turtle Retina, J. Physiol. (1977), 271, pp. 391-424.
	Belgium et al., Synaptic Transfer of Rod Signals to Horizontal and Bipolar Cells in the Retina of the Toad (<i>Bufo Marinus</i>), Journal of Physiology (1988), 396, pp. 225-245.
	Bloomfields, et al., Roles of Aspartate and Glutamate in Synaptic Transmission in Rabbit Retina, The American Physiological Society, 1985.
	Bortoff et al., An Electrical Model of the Vertebrate Photoreceptor Cell, Vision Res. Vol. 7, pp. 253-263, Pergamon Press 1967.
	Bortoff et al., Simultaneous Recording of Photoreceptor Potentials and the PIII Component of the ERG ¹ , Vision Res., Vol. 5, pp. 527-533. Pergamon Press 1965.
	Carpenter, H.S., Electrical Stimulation of the Human Eye in Different Adaptational States, J. Physiol. (1972), 221, pp. 137-148.
	Charles, Steve, Electrical Signals of the Retinal Microcircuitry, Reprinted from Records re: Physiology of the Human Eye and Visual System. Hagerstown, Harper and Row, 1979.
	Copenhagen, et al., Kinetics of Synaptic Transmission from Photoreceptors to Horizontal and Bipolar Cells in Turtle Retina, Vision Res. 23, 363-369 1983.
	Dawson et al., The electrical stimulation of the retina by indwelling electrodes, Invest. Ophthalmol. Visual Sci., March 1977.
	Dowling et al., Visual Adaptation in the Retina of the Skate, The Journal of General Physiology, Vol. 56, 1970.
	Eagle, et al., Retinal Pigment Epithelial Abnormalities in Fundus Flavimaculatus, Ophthalmology, December 1980, Vol. 87, No. 12.
	Erickson, et al., Retinal Detachment in the Cat: The Outer Nuclear and Outer Plexiform Layers, Investigative Ophthalmology & Visual Science, July 1983.
	Fenwick et al., Changes in the Pattern Reversal Visual Evoked Potential as a Function of Inspired Nitrous Oxide Concentration, Elsevier Scientific Publishers of Ireland, Ltd., August 24, 1983, pp. 178-183.
	Gernandt et al., Single Fibre Analysis of Inhibition and the Polarity of the Retinal Elements, The Nobel Institute for Neurophysiology, Karolinska Institute, Stockholm, Sweden, April 23, 1947, pp. 295-301.
	Green et al., Retinal Mechanisms of Visual Adaptation in the Skate, The Journal of General Physiology, Vol., 65, 1975, pp. 483-502.
	Humayun, Mark S., Intraocular Retinal Prosthesis, Tr. Am. Ophth. Soc., Vol. 99, 2001, pp. 271-300.
	Kaneko, Akimichi, Physiological and Morphological Identification of Horizontal, Bipolar and Amacrine Cells in Goldfish Retina, J. Physiol. (1970), 207, pp. 623-633.
	Kaneko et al., Recording Site of the Single Cone Response Determined by an Electrode Marking Technique ¹ , Vision Res., Vol. 7, pp. 847-851. Pergamon Press 1967.

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Examiner's Initials	OTHER DOCUMENTS (<i>Including Author, Title, Date, Pertinent Pages, Etc.</i>)
	Kolb, Helga, The Architecture of Functional Neural Circuits in the Vertebrate Retina, Investigative Ophthalmology & Visual Science, April 1994, Vol. 35, No. 5, pp. 2385-2404.
	Massey et al., The Effects of 2-Amino-4-Phosphonobutyric Acid (APB) on the ERG and Ganglion Cell Discharge of Rabbit Retina, Vision Res. Vol. 23, No. 12, pp. 1607-1613, 1983.
	Neher, et al., Single-channel currents recorded from membrane of denervated frog muscle fibres, Nature, Vol. 260, April 29, 1976, pp. 799-802.
	Normann et al., A neural interface for a cortical vision prosthesis, Vision Research, 39, (1999), pp. 2577-2587.
	Peyman et al., Subretinal Semiconductor Microphotodiode Array, Experimental Science, Ophthalmic Surgery and Lasers, March 1998, Vol. 29, No. 3, pp. 234-241.
	Rauschecker et al., Sending Sound to the Brain, Science, Vol. 295, February 8, 2002, pp. 1025-1029.
	Rovamo, et al., An Estimation and Application of the Human Cortical Magnification Factor, Exp. Brain Res. 37, 495-510 (1979).
	Schwab, Martin E., Repairing the Injured Spinal Cord, Science, Fol. 295, February 8, 2002, pp. 1029-1031.
	Scribner et al., Intraocular Retinal Prosthesis Test Device, 23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Istanbul, Turkey, Oct. 2001.
	Shannon, Robert V., A Model of Safe Levels for Electrical Stimulation, IEEE Transactions on Biomedical Engineering, Vol. 39, No. 4, April 1992, pp. 424-426.
	Terr, et al., Histopathologic Study of the Cochlear Nuclei after 10 Years of Electrical Stimulation of the Humal Cochlea, The American Journal of Otology, Vol. 9, No. 1, January 1988, pp. 1-6.
	Werblin, Frank, Synaptic Connections, Receptive Fields, and Patterns of Activity in the Tiger Salamander Retina, Investigative Ophthalmology & Visual Sience, Vol. 32, No. 3, March 1991, pp. 459-482.
	Werblin et al., Organization of the Retina of the Mudpuppy, Necturus maculosus. II. Intracellular Recording, The Wilmer Institut, The Johns Hopkins University School of Medicine, October 15, 1968, pp. 339-355.
	New technique induces growth across spinal cord injury abstract, printed from http://www.mgh.harvard.edu/depts/pubaffairs/Releases/May99_spinal_cord.htm , printed on July 6, 2001.
	An Overview of Spinal Cord Research abstract, printed from http://www.spinal-research.org/res.htm , printed on July 6, 2001.
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	Medicare's Coverage Policies on Electrical Stimulation for Fracture Healing abstract, printed from http://www.hcfa.gov/coverage/8b3-j2.htm , printed on July 6, 2001.

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	Medullary osteogenesis with platinum cathodes abstract, printed from http://gateway.nlm.nih.gov/gw/Cmd?GMResults , printed on August 20, 2001.		
	Electrical stimulation with bone and wound healing abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=11344981&dopt=Abstract , printed on August 27, 2001.		
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	Direct current electrical bone growth stimulation for spinal fusion abstract, printed from http://gateway.nlm.nih.gov/gw/Cmd?GMResults , printed on August 20, 2001.		
	Electrical stimulation of bone growth with direct current abstract, printed from http://gateway.nlm.nih.gov/gw/Cmd?GMResults , printed on August 20, 2001.		
	Electrical stimulation induces the level of TGF-Beta1 mRNA in osteoblastic cells by a mechanism involving calcium/calmodulin pathway abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=9268690&dopt=Abstract , printed on August 27, 2001.		
	Electrode-oxygen consumption and its effects on tissue-oxygen tension. A study of mass spectrometry abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.		
	Cathodic oxygen consumption and electrically induced osteogenesis abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.		
	Does Electrical stimulation of deaf cochleae prevent spiral ganglion degeneration? Abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.		
	Osteogenesis of electrically stimulated bone cells mediated in part by calcium ions abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.		
	Chronic intracochlear electrical stimulation induces selective survival of spiral ganglion neurons in neonatally deafened cats abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.		

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) PTO Form 1449		Atty Docket No. 114429-007	Application No. 10/808,915
		Applicant	Les Bogdanowicz
		Filing Date March 24, 2004	Group 1614

Examiner's Initials	OTHER DOCUMENTS (<i>Including Author, Title, Date, Pertinent Pages, Etc.</i>)
	Chronic electrical stimulation by a cochlear implant promotes survival of spiral ganglion neurons after neonatal deafness abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10464355&dopt=Abstract , printed on August 27, 2001.
	Cochlear pathology following chronic electrical stimulation using non charge balanced stimuli abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10464355&dopt=Abstract , printed on August 27, 2001.
	Cochlear implant effects on the spiral ganglion abstract, printed from http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Display&DB=PubMed , printed on August 20, 2001.

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